

CLAIMS

1. A device for use together with a seat belt of a seat in a vehicle, comprising a sensor for measuring tension in the seat belt and a member for limiting the load transferable by the seat belt, the seat belt tension sensor being arranged to provide information based on which an airbag intended for said seat may be disconnected wherein one of either the seat belt tension sensor or the load limiter member is connectable to a first end of the seat belt and the other of the seat belt tension sensor and the load limiter member is connectable to the vehicle, the seat belt tension sensor and the load limiter member being connected to each other so that at least a part of the seat belt tension sensor and a part of the load limiter member overlap with each other.
2. A device according to claim 1 wherein the seat belt tension sensor and the load limiter member are connected to each other so that a major part of either the seat belt tension sensor or the load limiter member overlaps with the other of the seat belt tension sensor and the load limiter member.
3. A device according to claim 1 wherein a first end of the seat belt tension sensor is connectable to the first end of the seat belt and a second end of the seat belt tension sensor is connected to the load limiter member which is connectable to the vehicle.
4. A device according to claim 3 wherein the seat belt tension sensor and the load limiter member are pivotally connected to each other around a pivot axis.
5. A device according to claim 4 wherein pivot motion of the seat belt tension sensor relative the load limiter member is counteracted in one direction by a spring force.

6. A device according to claim 4 wherein the device has an end stop impeding pivot motion of the seat belt sensor relative the load limiter member, at least in one direction, beyond a predetermined angle from a standard position.

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7. A device according to claim 6 wherein said angle is in the interval 5-30°.

8. A device according to claim 7 wherein said angle is
10 approximately 10°.

9. A device according to claim 4 wherein the major part of the seat belt tension sensor is arranged on the same side of said pivot axis as that part of the load limiter member
15 connectable to the vehicle.

10. A device according to claim 3 wherein the first end of the seat belt tension sensor is connectable to the first end of the seat belt through a quick fix or snap in coupling.

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11. A device according to claim 1 wherein the load limiter member has a first component and a second component designed as a hook clasping the first component, the second component being designed to be deformed and thereby release the first
25 component when the tension in the seat belt exceeds a predetermined value.

12. A device according to claim 11 wherein the second component of the load limiter member comprises two spaced
30 elongated portions connected to each other at the tip of the hook.

13. A device according to claim 1 wherein a first end of the load limiter member is connectable to the first end of the
35 seat belt and a second end of the load limiter member is connected to the seat belt tension sensor which is connectable to the vehicle.

14. A device according to claim 13 wherein the seat belt tension sensor is pivotally connectable to the vehicle.